6.RP Evaluating Ratio Statements

Task

The ratio of the number of boys to the number of girls at school is 4:5. There are 270 students at this school. For each of the following statements, explain whether the statement is true or false and why:

a. The number of boys at school is 4/5 the number of girls.

b. 4/5 of the students in the school are boys.

c. There are exactly 30 more girls than boys.

d. There are exactly 30 boys at the school.

e. 5/9 of the students in the school are girls.